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file Sys X

I. Procurement Time

A. First System X in six months.
B. Second System X four months later.
C. Flight test commences 1 December 1962 on sub-units as they are completed and is completed 1 February 1963. (Concurrently with completion of other parts of the System X).

This timetable basically depends upon procurement time of sub-units:

1. TWT's
2. Parametric amplifiers
3. Tape recorders
4. Timers
5. Antenna design and production

A serious factor in this procurement is that the detailed system design must be done before the above items can be technically specified. This preliminary engineering will require thirty days after which procurement can be initiated. This cost of this preliminary work is approximately $37,000. Normal deliveries on these lead items are:

1. Recorders - 4 months
2. All others - 60-90 days.

Using all possible priorities these times can possibly be reduced to:

1. Recorders - 1 month
2. All others - 30-60 days

Conclusion: Due to other committments of the HRB Company (admittedly of lesser priority), assuming all priorities used, and the initial thirty days of preliminary design and specification (37,000) implemented by 1 June 1962, the earliest possible development schedule remains:

1 June 62 - Commence Work
1 July 62 - Initiate procurement
1 Dec 62 - Begin Flight test of completed sub-units.
1 Feb 63 - Complete Flight test and delivery of completed No. 1 System X
1 June 63 - Complete Flight test and delivery of second unit

Although the HRB Company will not make a committment on the shrinking of this schedule, it is believed that the total time could be reduced by at least two months.

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II. Cost

25X1A

A. Total Cost (2 systems) [redacted]

1. Saving of $75,000 if X-band (least important frequency band) is omitted - Not Recommended.

2. Additional saving of $22,000 if recorders are GFE.

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